



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Tokay Street, Lower Sacramento Road to Mills Avenue - Speed Study

MEETING DATE: December 4, 1991

PREPARED BY: Public Works Director

RECOMMENDED ACTION: That the City Council review the following speed study on Tokay Street between Lower Sacramento Road and Mills Avenue and take no action.

BACKGROUND INFORMATION: At the November 6, 1991 meeting, a petition was submitted to City Council from residents of Tokay Street requesting that the existing 35 mph speed limit between Lower Sacramento Road and Mills Avenue be reduced to at least 25 mph (Exhibit A).

Speed limits are established following guidelines outlined by the State of California, Department of Transportation, and the California Vehicle Code. The 35 mph speed limit on Tokay Street was determined using these guidelines. This survey was approved by City Council on June 19 of this year (Exhibit B). Arbitrarily reducing speed limits below these guidelines would result in a speed limit that is not enforceable by the use of radar. The 25 mph posted speed limit that existed prior to this survey was not radar enforceable. An earlier speed zone survey prepared by staff in 1989 was postponed by Council until the Apple Orchard development was completed. The speed limit proposed in 1989 was also 35 mph (Exhibit C).

To check present vehicle speeds, an electronic counting device was placed on Tokay Street east of Lower Sacramento Road. The results of this survey are shown on the attached table and graph (Exhibit D). By definition, per state guidelines, 85 percent of drivers drive a reasonable speed thus the limit is set at the nearest 5 mile increment below this "85th percentile". This "rounding down" can increase the percentage over the limit. The results of the speed survey on Tokay Street indicates that approximately 25% of the drivers, traveling in both directions, were exceeding the posted speed limit. Less than 1% were exceeding 40 mph. For comparison reasons, speed data was also collected on Mills Avenue north of Lodi Avenue (Exhibit E). Although Mills Avenue is slightly wider than Tokay Street, the posted speed limit is also 35 mph. The results of the speed survey on Mills Avenue indicate that approximately 20% of the drivers, traveling in both directions, were exceeding the posted speed limit. Staff has no reason to believe that speeds on other collector streets are not similar.

APPROVED: _____

THOMAS A. PETERSON
City Manager



CC-1

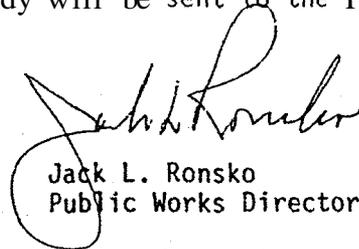
DISCUSSION/RECOMMENDATION

In comparing the speed zone surveys performed on Tokay Street in 1989 and 1991, staff found vehicle speeds were similar. This indicates that changing the 25 mph speed limit signs to 35 mph speed limit signs had little or no effect on vehicle speeds. This is consistent with research showing that drivers' speed is influenced more by the appearance of the roadway itself and prevailing traffic conditions rather than by the posted speed limit.

When speed limits are established, criteria used to reduce speed limits below the critical speed are reviewed. This criteria includes conditions that are not readily apparent to drivers, such as the accident rate. Arbitrarily lowering speed limits without the support of this criteria would result in a speed limit not enforceable by the use of radar. Although there is apparently some concern that the 35 mph speed limit on Tokay Street is too high, it is the appropriate speed limit per state guidelines, is radar enforceable and is comparable to other collector streets with residential frontage.

In order to have an enforceable speed limit on Tokay Street, staff does not recommend that the speed limit be arbitrarily reduced. Performing another speed zone survey is also not recommended at this time. Staff feels that increased enforcement is necessary to reduce the number of speeding drivers. The electronic speed data collected for this study will be sent to the Police Department.

FUNDING: None



Jack L. Ronsko
Public Works Director

Prepared by Rick Kiriu, Senior Engineering Technician

JLR/RSK/lm

Attachments

cc: Police Chief
Street Superintendent
Assistant Civil Engineer - Traffic
Concerned citizens

OCTOBER 7, 1991

RECENTLY, THE CITY OF LODI ELECTED TO INCREASE THE SPEED LIMIT ON WEST TOKAY ST, BETWEEN MILLS AND LOWER SACRAMENTO STREET, FROM 25 TO 35 MPH. MANY OF THE RESIDENTS FEEL THIS IS EXCESSIVE AND SHOULD BE LOWERED TO, AT LEAST, 25 MPH.

IF YOU AGREE, PLEASE SIGN BELOW TO SHOW SUPPORT WHEN PRESENTED TO THE CITY COUNCIL.

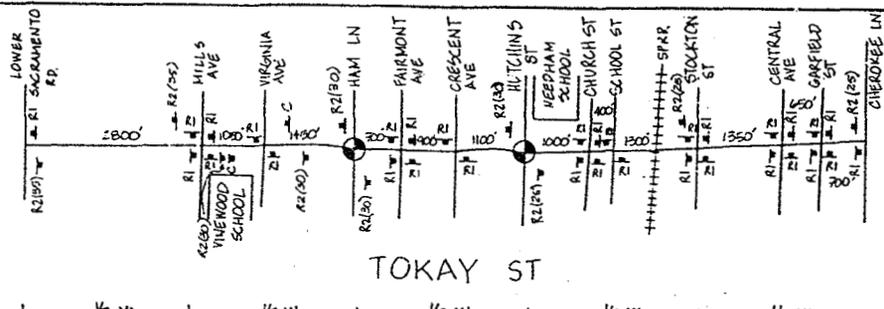
NAME ADDRESS

- 1- Doyle & Jennifer Sivani [REDACTED]
- 2- Gary P. Puzle [REDACTED]
- X 3- Jo-Ann J. Bourie 221 [REDACTED]
- 4- R. Scott Bradley [REDACTED]
- 5- Jesus Alvarado [REDACTED]
- 6- Connie Sutton 22 [REDACTED]
- 7- James D. Mankle [REDACTED]
- 8- Cyndi Sharp 2210 [REDACTED]
- 9- [REDACTED]
- 10- Eric Web [REDACTED]
- 11- Richard Hieb [REDACTED]
- 12- Victoria L. Canano 2217 [REDACTED]
- 13- [REDACTED] [REDACTED]
- 14- Deanna Anderson 2221 [REDACTED]
- (15- Kelli A. Neuharth 2121 [REDACTED]
- 16- Kurt Neuharth 2121 [REDACTED]
- 17- Gerhard J. Schroeder [REDACTED]
- 18- [REDACTED]

- 19- Dorothy Goff [REDACTED]
- 20- R. L. Root [REDACTED]
- 21- Loren B. Dickerson [REDACTED]
- 22- Doris Tarnasky [REDACTED]
- 23- Merry Molvik (Dave) [REDACTED]
- 24- Vicki Wynn [REDACTED]
- 25- Thom Wapner [REDACTED]
- 26- Sharon Kramer [REDACTED]
- 27- Fred & Madelena Harmon [REDACTED]
- 28- James & Betty Leary [REDACTED]
- 29- Ralph & Lydia Gonzales [REDACTED]
- 30- Denise [REDACTED]
- 31- Peter Reich [REDACTED]
- 32- Michele Nevis [REDACTED]
- 33- Sandra D Dean [REDACTED]
- 34- Dennis H Dean [REDACTED]
- 35- Dymon Chang [REDACTED]
- 36- Ann E. O'Connell [REDACTED]
- 37- David B. O'Connell [REDACTED]
- 38- Peggy Gumpston [REDACTED]
- 39- Mel Kaul [REDACTED]
- 40- Al Miyama [REDACTED]
- 41- Marilyn P. Just [REDACTED]
- 42- Raymond P. Just [REDACTED]
- 43- Loretta C. Baker [REDACTED]
- 44- Jo Sma [REDACTED]
- 45- Austin Jewell [REDACTED]
- 46- Elizabeth A. Presler [REDACTED]

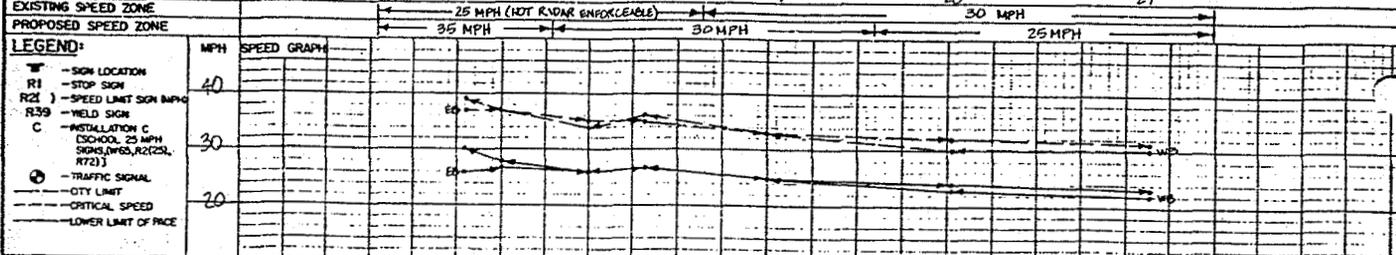
ENGINEERING AND TRAFFIC SURVEY

SEE NARRATIVE FOR BACKGROUND INFORMATION



TOKAY ST

SPEED TABLE		1700		1800		(5700)		6400		(5550)		4500		2600	
ROADWAY WIDTH		40'		40'		46'		40'		46'		40'		40'	
NO. OF LANES		2		2		2		2		2		2		2	
MEDIAN (TYPE)		NONE													
TRAFFIC SIGNAL DATA		2ΦACT													
AVERAGE DAILY TRAFFIC		1700		1800		(5700)		6400		(5550)		4500		2600	
OBS. SPEED - CRITICAL .85% WB		39	37	35	34	36	33	32	32	32	31	31	30	30	30
EB		37	37	34	35	35	33	32	32	32	31	31	30	30	30
WB		30-40(40)	30-36(40)	30-34(40)	34(39)	37-37(39)	25-35(30)	23-33(33)	23-33(33)	23-33(33)	22-32(24)	22-32(24)	22-32(24)	22-32(24)	22-32(24)
EB		26-34(27)	27-37(40)	27-37(40)	34(37)	27-37(30)	25-35(30)	24-34(30)	24-34(30)	24-34(30)	23-33(31)	23-33(31)	23-33(31)	23-33(31)	23-33(31)
WB		35	32	31	31	31	29	29	29	29	27	27	27	27	27
ED		31	31	30	30	31	29	29	29	29	27	27	27	27	27



ACCIDENT PLOT	YR:	1989	1	1	1	2	6	2	1	1	1	3	1	4	2	0	1
ACCIDENT RATE - ACC/MILL VEN-MI	YR:	1990	0	1	1	3	3	3	4	3	2	3	0	0	1	1	1

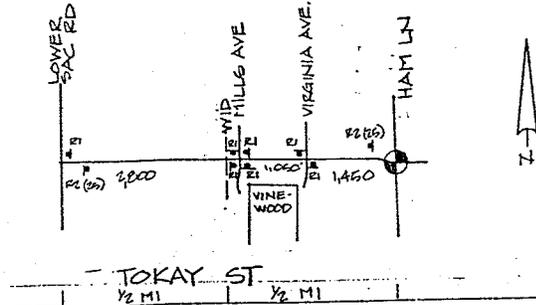
Dr. PJF
 Date: 1/91
 Approved By: [Signature]
 Date: 1-15-91
 City of Lodi Public Works Department
 TOKAY ST
 SPEED ZONE SURVEY

Exhibit B

THIS ENGINEERING AND TRAFFIC SURVEY INCLUDES:

- ✓ PREVAILING SPEEDS
See speed graph and table
- ✓ ACCIDENTS
See accident plot
- ✓ CONDITIONS NOT APPARENT TO DRIVER - NONE

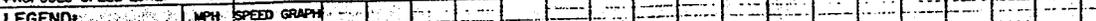
NOTES: * PEE COUNCIL ACTION SURVEY TO BE DONE AFTER APPLE ORCHARD SURV. IS DEVELOPED



SPEED TABLE

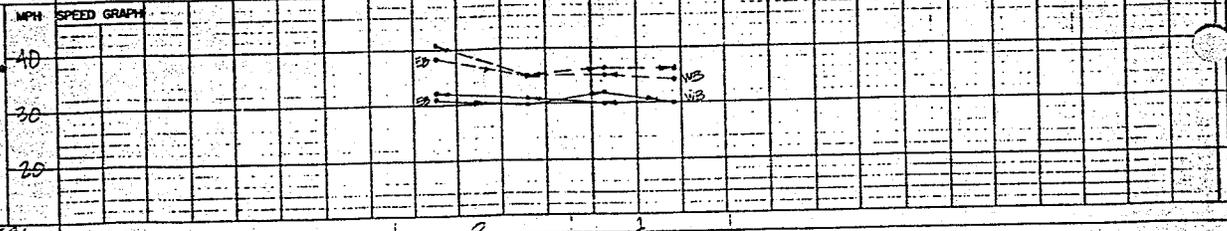
ROADWAY WIDTH	40'			
NO. OF LANES	2 LANES			
MEDIAN (TYPE)	NONE			
TRAFFIC SIGNAL DATA	2 PHASE			
AVERAGE DAILY TRAFFIC	2300	5200		
OBS. SPEED - CRITICAL .85% WB	A1 30	30	30	30
EB	30	30	30	30
- PACE (%) WB	27-27 (66)	27-27 (70)	26-30 (8)	25-30 (8)
EB	27-27 (64)	25-30 (75)	26-30 (70)	25-30 (70)
- MEDIAN .50% WB	32	31	30	30
EB	31	30	32	30

EXISTING SPEED ZONE



PROPOSED SPEED ZONE

- LEGEND:**
- ⊙ - SIGN LOCATION
 - RI - STOP SIGN
 - R21 - SPEED LIMIT SIGN
 - R39 - YIELD SIGN
 - C - INSTALLATION C (SCHOOL 25 MPH SIGNS, W65, R225, R721)
 - ⊙ - TRAFFIC SIGNAL
 - - CITY LIMIT
 - - CRITICAL SPEED
 - - - - LOWER LIMIT OF PACE



ACCIDENT PLOT

YR: 1986	1	2	1	2	1
YR: 1987	2	3	2	2	1
ACCIDENT RATE - ACC./MIL. VEH.-MI.	2.36				

Dr. [Signature] 10/88
 [Signature] 1/89
 Date: 1-10-89
 Approved: [Signature] 1-10-89
 Public Works Director
 Date: 1-10-89

CITY OF LODI TOKAY ST
 PUBLIC WORKS DEPARTMENT SPEED ZONE SURVEY

Exhibit C

Exhibit D

**CITY OF LODI
VELOCITY STUDY**

PRINT DATE: Nov 22, 1991

Location: Tokay St W/ Lower Sac

Speed Limit: 35 (posted)

Count Period: Nov 14-16, 1991

Direction westbound

DAY	SPEED(MPH)												TOTAL
	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	>56	
Thurs	2	4	8	10	37	159	344	163	38	9	1	0	775
Fri	1	8	7	20	53	171	348	238	31	10	2	1	890
Sat	1	3	10	14	46	175	257	134	30	3	2	0	675
TOTAL	4	15	25	44	136	505	949	535	99	22	5	1	2340
AVG	1	5	8	15	45	168	316	178	33	7	2	0	780
CUM	1	6	15	29	75	243	559	738	771	778	780	780	780
%	0.2%	0.8%	1.9%	3.8%	9.6%	31.2%	71.7%	94.6%	98.8%	99.7%	100.0%	100.0%	100.0%

Direction eastbound

DAY	SPEED(MPH)												TOTAL
	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	>56	
Thurs	0	2	5	10	43	156	317	139	28	4	0	0	704
Fri	1	2	8	18	62	205	316	122	26	1	0	0	761
Sat	0	3	8	12	55	173	219	94	14	3	1	0	582
TOTAL	1	7	21	40	160	534	852	355	68	8	1	0	2047
AVG	0	2	7	13	53	178	284	118	23	3	0	0	682
CUM	0	3	10	23	76	254	538	657	679	682	682	682	682
%	0.0%	0.4%	1.4%	3.4%	11.2%	37.3%	78.9%	96.2%	99.6%	99.95%	100.0%	100.0%	100.0%

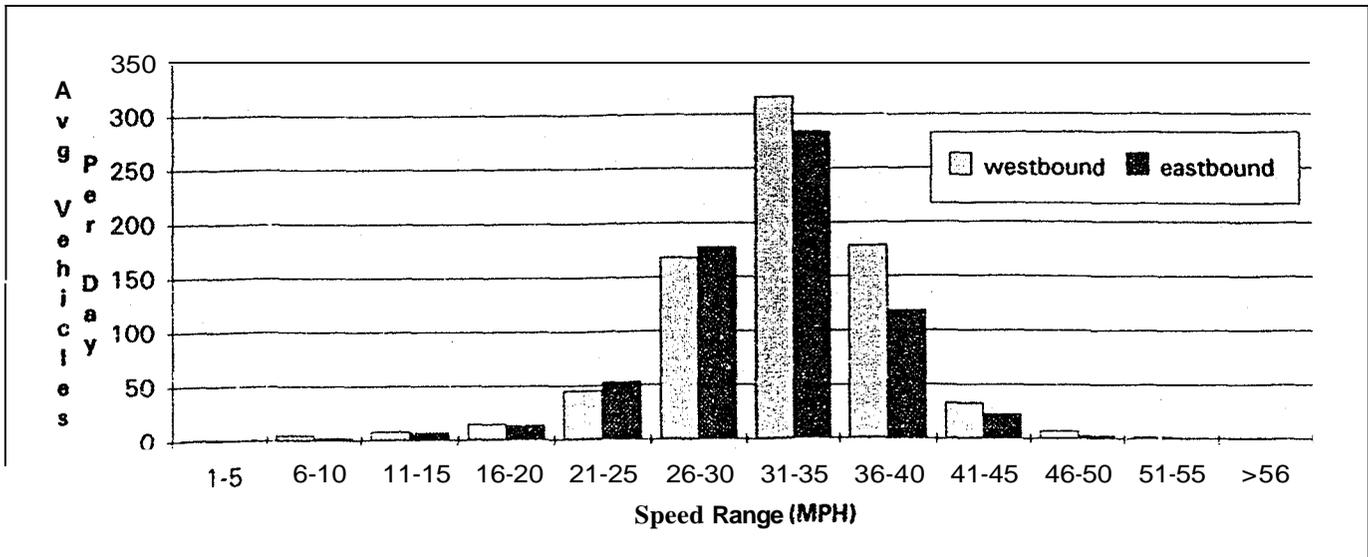


Exhibit E

**CITY OF LODI
VELOCITY STUDY**

PRINT DATE: Nov 25, 1991

Location: Mills Ave N/Lodi

Speed Limit: 35 (posted)

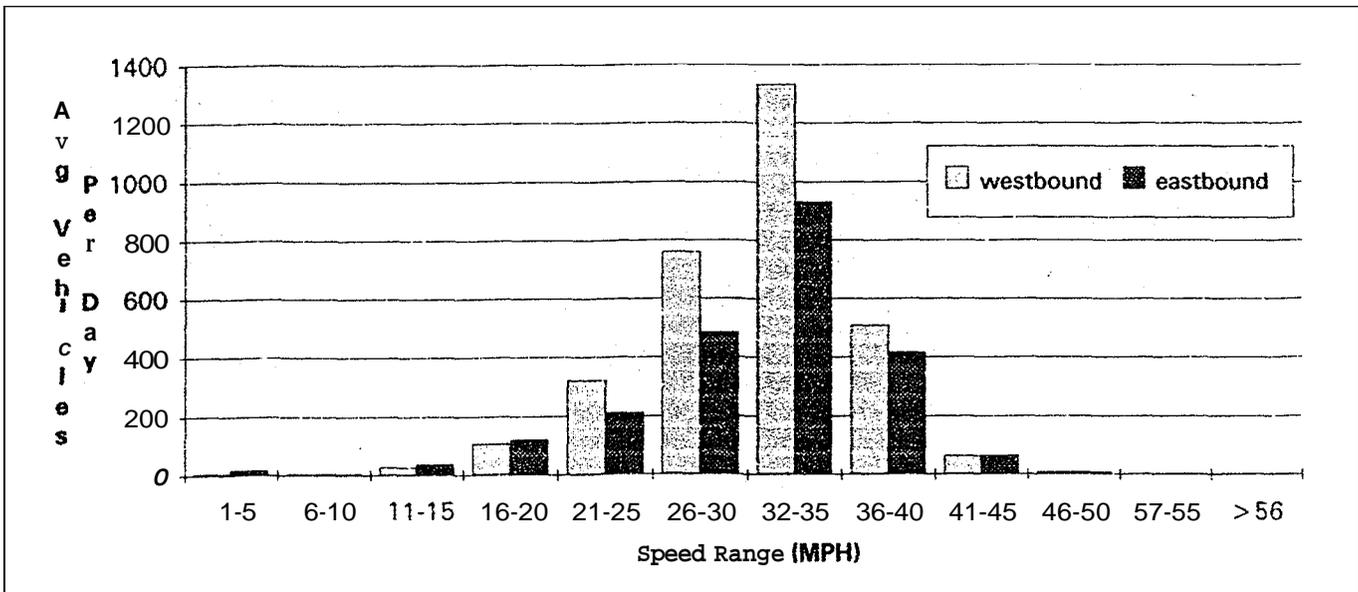
Count Period: Nov 19-20, 1991

Direction southbound

DAY	SPEED(MPH)												TOTAL
	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	>56	
Tues	14	11	56	157	319	714	1176	484	62	9	1	0	3003
Wed	1	0	14	93	344	845	1372	472	50	5	0	1	3197
Thurs	1	0	15	70	301	721	1450	574	76	10	2	7	3227
TOTAL	16	11	85	320	964	2280	3998	1530	188	24	3	8	9427
AVG	5	4	28	107	321	760	1333	510	63	8	1	3	3142
CUM	5	9	37	144	465	1225	2558	3068	3131	3139	3140	3142	3142
%	0.2%	0.3%	1.2%	4.6%	14.8%	39.0%	81.4%	97.6%	99.6%	99.88%	99.92%	100.0%	100.0%

Direction northbound

DAY	SPEED(MPH)												TOTAL
	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	>56	
Tues	14	4	34	116	222	452	933	457	71	5	1	0	2309
Wed	29	7	40	139	214	508	869	347	51	7	1	2	2214
Thurs	8	8	40	105	201	497	996	445	76	10	0	1	2387
TOTAL	51	19	114	360	637	1457	2798	1249	198	22	2	3	6910
AVG	17	6	38	120	212	486	933	416	66	7	1	1	2303
CUM	17	23	61	181	394	879	1812	2228	2294	2302	2302	2303	2303
%	0.7%	1.0%	2.7%	7.9%	17.1%	38.2%	78.7%	96.7%	99.6%	99.93%	99.96%	100.0%	100.0%



CITY COUNCIL

DAVID M. HINCHMAN, Mayor
JAMES W. PINKERTON, Jr.
Mayor Pro Tempore
PHILLIP A. PENNINO
JACK A. SIEGLOCK
JOHN R. (Randy) SNIDER

CITY OF LODI

CITY HALL, 221 WEST PINE STREET
P.O. BOX 3006
LODI, CALIFORNIA 95241-1910
(209) 333-5634
FAX (209) 333-6795

December 2, 1991

THOMAS A. PETERSON
City Manager
ALICE M. REIMCHE
City Clerk
BOB McNATT
City Attorney

Mr. and Mrs. Joey Preszler

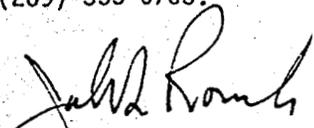

SUBJECT: Tokay Street, Lower Sacramento Road to Mills Avenue -
Speed Study

Dear Mr. and Mrs. Preszler:

Enclosed is a copy of background information on an item that will be discussed at the City Council meeting on Wednesday, December 4, 1991, at 7:30 p.m. The meeting will be held in the City Council Chamber, Carnegie Forum, 305 West Pine Street. You are welcome to attend.

If you wish to communicate with the City Council, please contact Alice Reimche, City Clerk, at (209) 333-6702.

If you have any questions about the item, please call Rick Kiriu or me at (209) 333-6706.


Jack L. Roisko
Public Works Director

JLR/lm

Enclosure

cc: City Clerk ✓
Junior Civil Engineer

TOKAYST.NCT/TXTW.02M

RESOLUTION NO. 91-228

=====

A RESOLUTION OF THE LODI CITY COUNCIL
AMENDING TRAFFIC RESOLUTION NO. 87-163, SECTION 7,
SPEED LIMITS, APPROVING THE ESTABLISHING OF THE SPEED LIMIT
ON TOKAY STREET BETWEEN LOWER SACRAMENTO ROAD
AND MILLS AVENUE AT 30 MILES PER HOUR.

=====

RESOLVED, that the Lodi City Council does hereby approve the establishing of the speed limit on Tokay Street between Lower Sacramento Road and Mills Avenue at 30 miles per hour; and

FURTHER RESOLVED, that the Lodi City Council hereby approves amending Traffic Resolution No. 87-163, Section 7 - Speed Limits - to approve the establishing of the speed limit on Tokay Street between Lower Sacramento Road and Mills Avenue at 30 miles per hour, as shown on Exhibit A attached.

Dated: December 4, 1991

=====

I hereby certify that Resolution No. 91-228 was passed and adopted by the City Council of the City of Lodi in a regular meeting held December 4, 1991 by the following vote:

Ayes: Council Members - Hinchman, Pennino, Sieglock, Snider,
and Pinkerton (Mayor)

Noes: Council Members - None

Absent: Council Members - None

Alice M. Reiwche
Alice M. Reiwche
City Clerk

91-228

RES91228/TXTA.01V



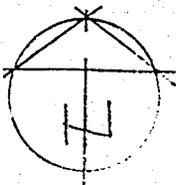
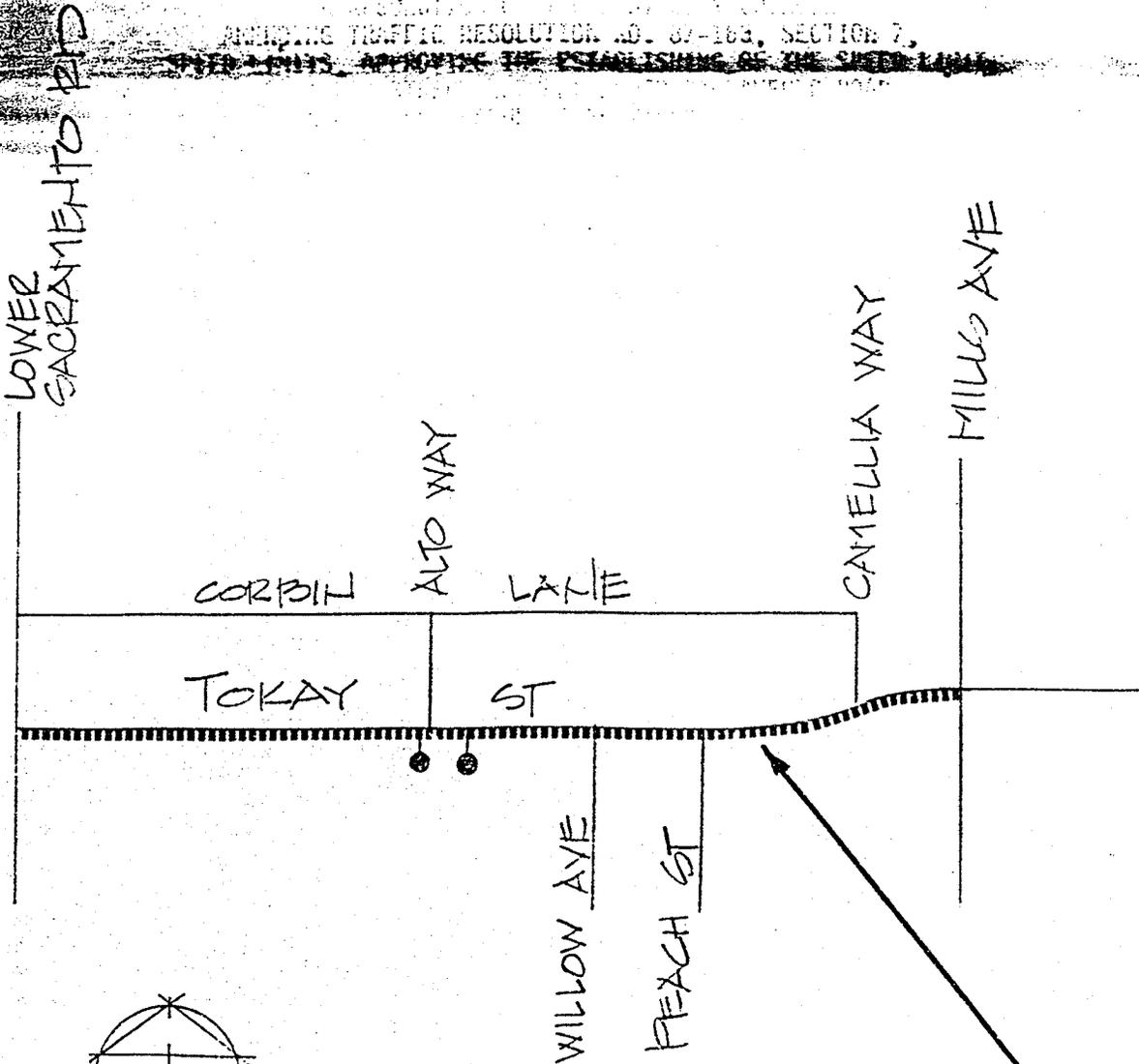
CITY OF LOD!

PUBLIC WORKS DEPARTMENT

TOKAY STREET LOWER SAC RD - MILLS AVE SPEED LIMIT MODIFICATION

AMENDING TRAFFIC RESOLUTION NO. 87-163, SECTION 7,

BY THE CITY ENGINEER, APPROVING THE ESTABLISHING OF THE SPEED LIMIT



POSTED SPEED LIMIT CHANGED
FROM 35 MPH TO 30 MPH

12/91

Al

MEMORANDUM, City of Lodi, Public Works Department

RECEIVED

57 DEC 19 AM 10:

ALICE M. REINCH
CITY CLERK
CITY OF LODI

TO: Municipal Court Judges
Police Chief

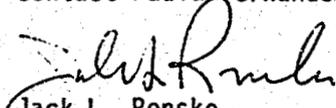
FROM: Public Works Director

DATE: December 18, 1991

SUBJECT: Tokay Street - Lower Sacramento Road to Mills Avenue,
Revised Speed Limit Signing

At the December 4, 1991 meeting, City Council reduced the posted speed limit on Tokay Street between Lower Sacramento Road and Mills Avenue from 35 miles per hour to 30 miles per hour as shown on the attached map. This reduction was requested by petition from residents of Tokay Street. Because this 30 mile per hour speed limit is not supported by an engineering and traffic survey, it is not enforceable by radar per Vehicle Code Section 40802 (see attached survey). The 30 mile per hour speed limit signs were installed on December 9.

If you have any questions or comments regarding this matter, please contact Paula Fernande at extension 667 or me


Jack L. Ronsko
Public Works Director

JLR/1m

Attachment

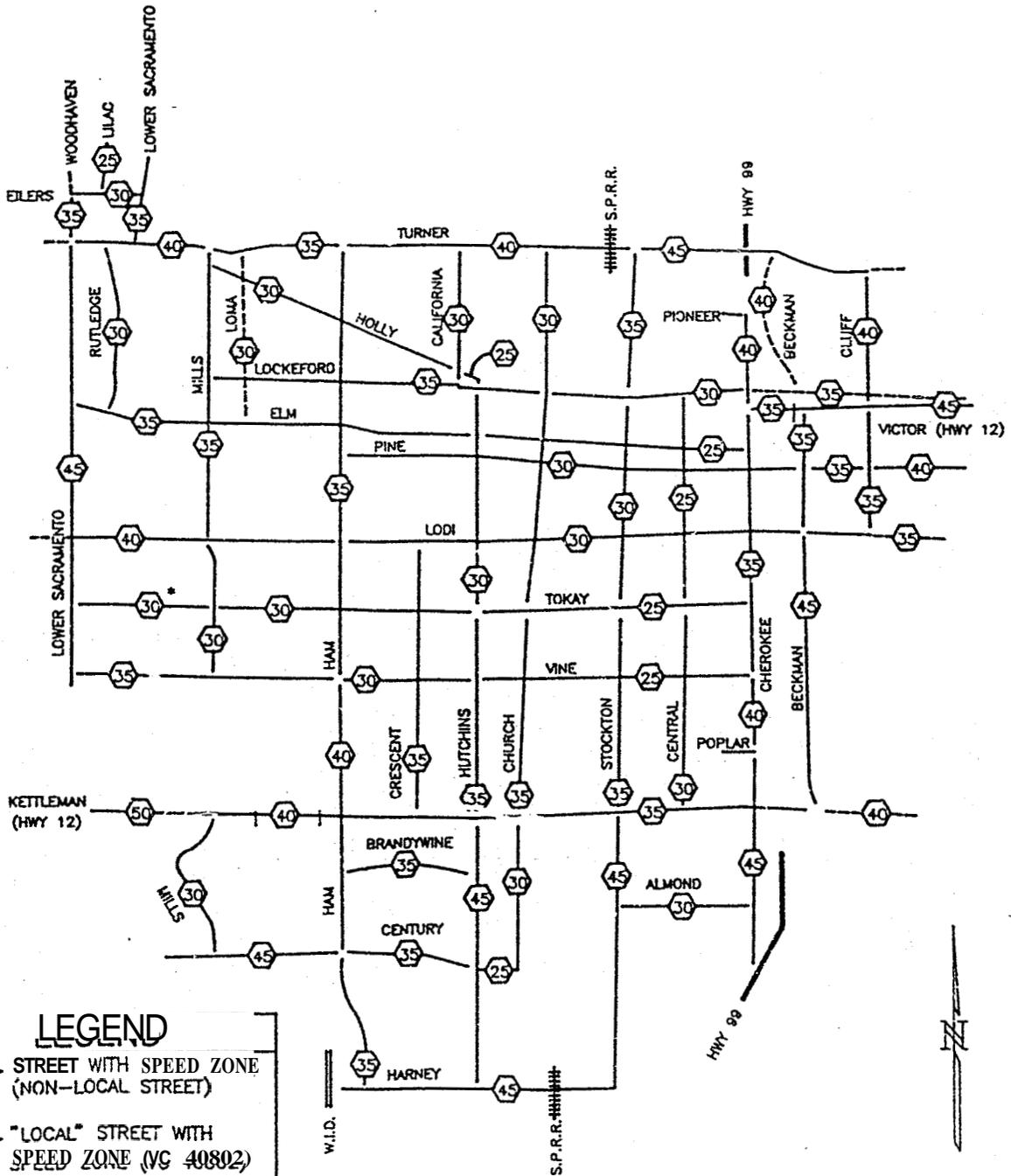
cc: City Manager
City Council
Assistant Civil Engineer - Traffic



CITY OF LODI

PUBLIC WORKS DEPARTMENT

POSTED SPEED LIMITS



LEGEND

- STREET WITH SPEED ZONE (NON-LOCAL STREET)
- "LOCAL" STREET WITH SPEED ZONE (VC 40802)

PRIMA FACIE LIMITS APPLY TO STREETS NOT SHOWN - ALL "LOCAL" STREETS

*--NOT RADAR ENFORCEABLE



REVISED: 12/91

